

Project No. 1251-100

Crude Oil Tank Farms Project, Agrood Area 30 (Module-1)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

Sr.	Pre-Commissioning and Commissioning Dossier Index	Applicable (Yes/No)
1	Mechanical Completion Certificate (MCC)	
2	Ready for Startup Certificate (RFSU)	
3	System Punch Lists	
4	System Limits Marked Up P&ID	
5	System Index	
6	Piping Pre-Commissioning	
	6.01) Piping Test Packs	
	6.02) Piping Pre-commissioning Check Lists	
7	Piping Commissioning	
	7.01) Service Test, GLT, CLT and N2 Purging Certificates	
	7.02) Piping Commissioning Check Lists	
Sr.	Pre-Commissioning and Commissioning Dossier Index	Applicable (Yes/No)
8	Mechanical Pre-Commissioning	
	8.01) System Mechanical Index	
	8.02) Equipment Drawings	
	8.03) Equipment Datasheets	
	8.04) Boxing-up Certificates	

	8.05) Grouting Certificates	
	8.06) Pre-Alignment Certificates	
	8.07) Mechanical Pre-Commissioning Checklists	
9	Mechanical Commissioning	
	9.01) Final Alignment Certificates	
	9.02) Motor Solo Run Certificates	
	9.03) Mechanical Run Test (MRT) Certificates	
	9.04) Mechanical Commissioning Checklists	
	9.05) Mechanical Supplier Check Lists & Reports	
10	Instrumentation Pre-Commissioning	
	10.01) System Instrument Index	
	10.02) Instrument Data Sheets	
	10.03) Instrument Cable Schedule	
	10.04) System Instrumentation Wiring Diagram	
	10.05) Hook-up Drawing (Mechanical & Pneumatic)	
	10.06) Instruments Cables Schedule	
	10.07) Instruments Cables Laying Certificates	
	10.08) Instruments Cables Termination Certificates	
	10.09) Instruments Cables Testing Certificates	
	10.10) Instruments Calibration Certificates	
	10.11) Instrument Loop Checks Certificates	
	10.12) Instrumentation Pre-Commissioning Check Lists	
	10.13) Instrumentation Supplier Check Lists & Reports	
11	Instrumentation Commissioning	
	11.01) Instrumentation Function Test Certificates	
	11.02) Instrumentation Supplier Check Lists & Reports	
Sr.	Pre-Commissioning and Commissioning Dossier Index	Applicable (Yes/No)
12	Electrical Pre-Commissioning	
	12.01) System Electrical Index	
	12.02) Electrical Drawings	
	12.03) Motor Datasheets	
	12.04) Electrical Cables Schedule	
	12.05) Electrical Cables Laying Certificates	
	12.06) Electrical Cables Testing Certificates	
	12.07) Electrical Cables Termination Certificates	
	12.08) FAT Reports & Certificates	
	12.09) SAT Reports & Certificates	
	12.10) Electrical Pre-Commissioning Check Lists	
	12.11) Electrical Supplier Check Lists & Reports	

13	Electrical Commissioning	
	13.01) Electrical -Commissioning Check Lists	
	13.02) Electrical Supplier Check Lists & Reports	
14	Red Marked-up Drawings	
	14.01) P&ID	
	14.02) Instrumentation Drawings	
	14.03) Electrical Drawings	





Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

1-Mechanical Completion Certificate (MCC)



SYSTEM MECHANICAL COMPLETION CERTIFICATE (MCC)

PROJECT TITLE : CRUDE OIL TANK FARM PROJECT (AGROOD AREA)

PROJECT No : 01251-100



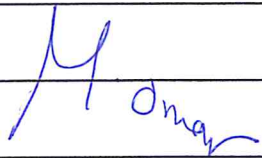
SYSTEM NAME : Substation Building Electrical Cables Trays System

SYSTEM ID : 030-EL-11

THIS IS TO CERTIFY THAT:

- THE ABOVE SYSTEM HAS BEEN FABRICATED, ERECTED, INSTALLED AND TESTED TO THE REQUIREMENTS OF THE CONTRACT DRAWINGS, SPECIFICATIONS, THE APPLICABLE CODES AND STANDARDS.
- ALL PRE-COMMISSIONING RELEVANT ACTIVITIES, TESTS, INSPECTIONS AND CHECKS HAVE BEEN CARRIED OUT FOR THIS SYSTEM AND FOUND ACCEPTABLE.
- Q/C DOCUMENTATION OF THE ABOVE SYSTEM HAS BEEN AUDITED BY THE CUSTOMER SITE QUALITY CONTROL AND FOUND COMPLETED.
- ALL PUNCH LIST ITEMS CATEGORY (A) IN THIS SUBSYSTEM WERE CLEARED.
- THIS SYTEM IS MECHANICALLY COMPLETED ON THE DATE 01/02/2021 AND READY FOR COMMISSIONING (RFC) WITH THE FOLLOWING EXCEPTIONS.

EXCEPTIONS :

COMPANY	PETROJET	ENPPI	PMC
NAME	M. abd allah	M. Abbas	
TITLE	Q.c Engineer	Site Mgr	
SIGNATURE			
DATE	12/04/2021	12/4/2021	



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

2- Ready for Startup Certificate (RFSU)

READY FOR START UP CERTIFICATE

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT (AGROOD-02)

PROJECT No. : 1251-100


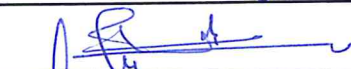

SYSTEM /AREA /PLANT : Substation Building Electrical cable trays system

SYSTEM /AREA /PLANT No. : 030-EL-011

THIS IS TO CERTIFY THAT:

- THE MENTIONED SYSTEM /AREA /PLANT IS READY FOR START UP WHERE ALL MECHANICAL WORKS, PRECOMMISSIONING AND COMMISSIONING ACTIVITIES HAVE BEEN SUCCESSFULLY COMPLETED.
- MECHANICAL COMPLETION CERTIFICATE(S) FOR THE MENTIONED SYSTEM / AREA / PLANT HAVE BEEN SIGNED.
- ISSUANCE OF THIS READY FOR START UP CERTIFICATE(S) SHALL NOT RELIEVE CONTRACTOR(S) FROM THEIR OBLIGATIONS TO COMPLETE THE REMAINING SYSTEMS NOR FROM THEIR WARRANTY OBLIGATIONS AND OTHER PROVISIONS OF THE CONTRACT.
- THE FOLLOWING EXCEPTIONS AGREED TO BE CLEARED AFTER START UP AND WILL NOT PREVENT START UP ACTIVITIES.

EXCEPTIONS :

COMPANY	CONSORTIUM	PPC
NAME	Ahmed El Shafie	M. Ibrahim
TITLE	Commissioning Mgr.	Elec. engineer
SIGNATURE		
DATE	31-5-2021	



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

3- System Punch Lists

PROJECT TITLE : CRUDE OIL TANK FARM PROJECT (AGROOD AREA)

PROJECT NUMBER : 01251-100

DISCIPLINE: Electrical

SYSTEM NAME: Substation Building Electrical Cable Trays System




SYSTEM ID: 030-EL-11

SUB-SYSTEM NAME:

SUB-SYSTEM ID:

[illegible]

CAT: CATEGORY(A,B,C) ,ACTION BY: (ENPPI,CONST.CONTRACTOR,SUPPLIER.....) , DISP: DESCIPLINE(PIP,MECH,ELECT,INST.....)

COMPANY	PTJ	ENPPI	PMC
NAME		Review	M. Omer
SIGN.			
DATE			28-3-2023



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
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4- System Limits Marked Up P&ID



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

5- System Index



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

6- Piping Pre-Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

6.01- Piping Test Packs



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
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6.02- Piping Pre-commissioning Check Lists



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System ID	030-EL-011
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7- Piping Commissioning



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System ID	030-EL-011
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7.01- Service Test, GLT, CLT and N2 Purging Certificates



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7.02- Piping Commissioning Check Lists



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System ID	030-EL-011
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8- Mechanical Pre-Commissioning



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System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

8.01- System Mechanical Index



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CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

8.02- Equipment Drawings



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CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

8.03- Equipment Datasheets



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CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
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8.04- Boxing-up Certificates



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System ID	030-EL-011
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8.05- Grouting Certificates



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System ID	030-EL-011
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8.06- Pre-Alignment Certificates



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8.07- Mechanical Pre-Commissioning Checklists



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9- Mechanical Commissioning



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System ID	030-EL-011
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9.01- Final Alignment Certificates



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9.02- Motor Solo Run Certificates



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System ID	030-EL-011
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9.03- Mechanical Run Test (MRT) Certificates



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System ID	030-EL-011
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9.04- Mechanical Commissioning Checklists



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9.05- Mechanical Supplier Check Lists & Reports



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System ID	030-EL-011
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10- Instrumentation Pre-Commissioning



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CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

10.01- System Instrument Index



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System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

10.02- Instrument Data Sheets



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CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

10.03- Instrument Cable Schedule



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10.04- System Instrumentation Wiring Diagram



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10.05- Hook-up Drawing (Mechanical & Pneumatic)



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10.06- Instruments Cables Schedule



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System ID	030-EL-011
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10.07- Instruments Cables Laying Certificates



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10.08- Instruments Cables Termination Certificates



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10.09- Instruments Cables Testing Certificates



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System ID	030-EL-011
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10.10- Instruments Calibration Certificates



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10.11- Instrument Loop Checks Certificates



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10.12- Instrumentation Pre-Commissioning Check Lists



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10.13- Instrumentation Supplier Check Lists & Reports



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11- Instrumentation Commissioning



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System ID	030-EL-011
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11.01- Instrumentation Function Test Certificates



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System ID	030-EL-011
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11.02- Instrumentation Supplier Check Lists & Reports



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12- Electrical Pre-Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



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12.01- System Electrical Index

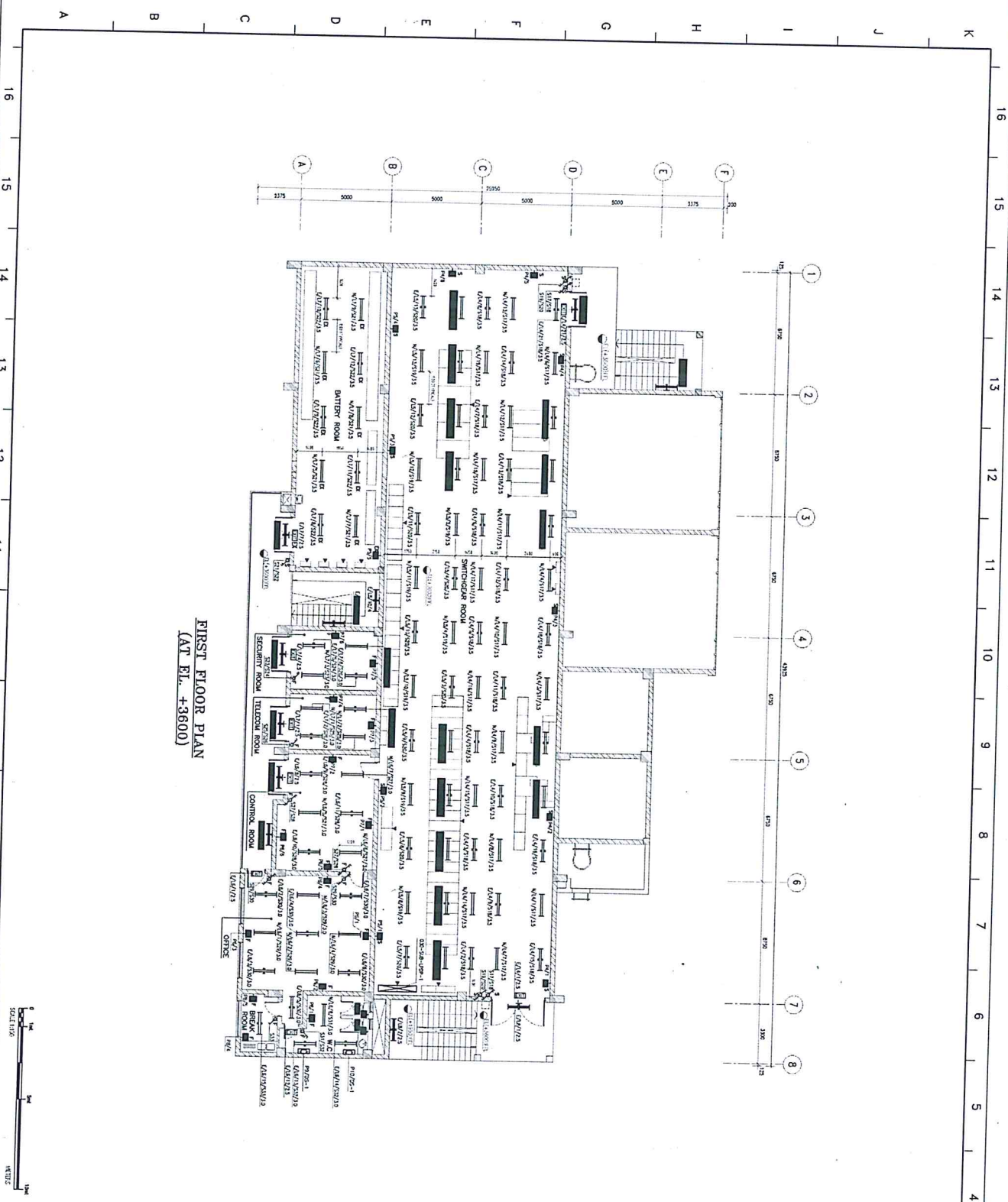


Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

12.02- Electrical Drawings



FIRST FLOOR PLAN
(AT EL. +3600)

REFERENCE DRAWING AND DOCUMENTS

0121-100-03-04-001	ELECTRICAL CODES BOOK
0121-100-03-05-001	STRUCTURE AND CONSTRUCTION CODES BOOK
0121-100-03-06-001	MECHANICAL AND ELECTRICAL CODES BOOK
0121-100-03-07-001	PLUMBING AND SANITATION CODES BOOK
0121-100-03-08-001	HEATING, VENTILATION AND AIR CONDITIONING CODES BOOK
0121-100-03-09-001	SAFETY AND SECURITY CODES BOOK
0121-100-03-10-001	ENVIRONMENTAL AND LANDSCAPE CODES BOOK
0121-100-03-11-001	GENERAL BUILDING CODES BOOK
0121-100-03-12-001	CONSTRUCTION MANAGEMENT CODES BOOK
0121-100-03-13-001	CONSTRUCTION MANAGEMENT CODES BOOK
0121-100-03-14-001	CONSTRUCTION MANAGEMENT CODES BOOK
0121-100-03-15-001	CONSTRUCTION MANAGEMENT CODES BOOK
0121-100-03-16-001	CONSTRUCTION MANAGEMENT CODES BOOK
0121-100-03-17-001	CONSTRUCTION MANAGEMENT CODES BOOK
0121-100-03-18-001	CONSTRUCTION MANAGEMENT CODES BOOK
0121-100-03-19-001	CONSTRUCTION MANAGEMENT CODES BOOK
0121-100-03-20-001	CONSTRUCTION MANAGEMENT CODES BOOK

NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE EGYPTIAN STANDARDS AND CODES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
5. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES.
6. THE CONTRACTOR SHALL MAINTAIN A SAFE WORKING ENVIRONMENT AT ALL TIMES.
7. THE CONTRACTOR SHALL PROVIDE ADEQUATE SAFETY MEASURES FOR ALL WORKERS.
8. THE CONTRACTOR SHALL MAINTAIN A CLEAN AND ORDERLY WORK SITE.
9. THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE FOR ALL WATER RUNOFF.
10. THE CONTRACTOR SHALL MAINTAIN ADEQUATE VENTILATION FOR ALL WORK AREAS.
11. THE CONTRACTOR SHALL PROVIDE ADEQUATE LIGHTING FOR ALL WORK AREAS.
12. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL WORK DONE.
13. THE CONTRACTOR SHALL PROVIDE ADEQUATE COMMUNICATIONS FOR ALL WORKERS.
14. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL MATERIALS USED.
15. THE CONTRACTOR SHALL PROVIDE ADEQUATE RECORDS OF ALL LABOR HOURS.
16. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL COSTS INCURRED.
17. THE CONTRACTOR SHALL PROVIDE ADEQUATE RECORDS OF ALL INVOICES.
18. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL PAYMENTS.
19. THE CONTRACTOR SHALL PROVIDE ADEQUATE RECORDS OF ALL TAXES.
20. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL OTHER FINANCIAL DATA.

IDENTIFICATION

NO.	DESCRIPTION	UNIT	QTY	REMARKS
1	CONCRETE	M ³	100	FOR FOUNDATION
2	STEEL	KG	500	FOR ROOF
3	BRICK	M ³	200	FOR WALLS
4	CEMENT	KG	1000	FOR CONCRETE
5	SAND	M ³	500	FOR CONCRETE
6	GRAVEL	M ³	1000	FOR CONCRETE
7	WATER	M ³	1000	FOR CONCRETE
8	ELECTRICITY	KWH	1000	FOR CONCRETE
9	LABOR	HOUR	1000	FOR CONCRETE
10	TRANSPORT	HOUR	1000	FOR CONCRETE
11	MAINTENANCE	HOUR	1000	FOR CONCRETE
12	INSURANCE	HOUR	1000	FOR CONCRETE
13	TRAINING	HOUR	1000	FOR CONCRETE
14	RESEARCH	HOUR	1000	FOR CONCRETE
15	DEVELOPMENT	HOUR	1000	FOR CONCRETE
16	TESTING	HOUR	1000	FOR CONCRETE
17	ANALYSIS	HOUR	1000	FOR CONCRETE
18	DESIGN	HOUR	1000	FOR CONCRETE
19	CONSTRUCTION	HOUR	1000	FOR CONCRETE
20	OPERATION	HOUR	1000	FOR CONCRETE

EGPC
EGYPTIAN GENERAL PETROLEUM CORPORATION

AGROOD AREA (MODULE-1)
SUBSTATION LIGHTING AND POWER LAYOUT

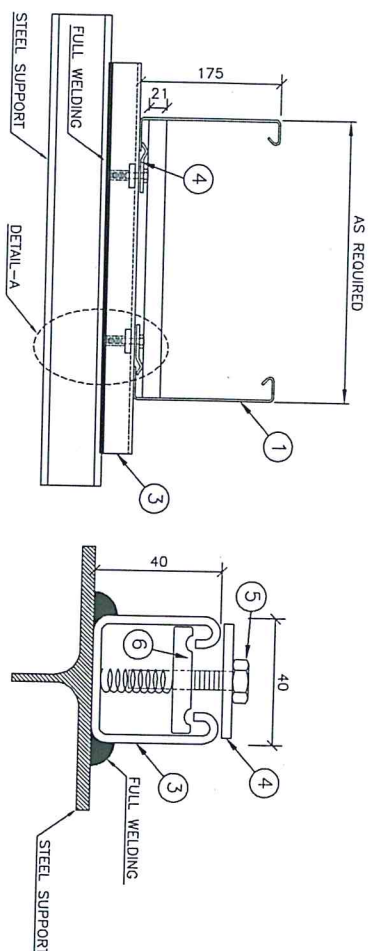
Enppi
Engineering and Planning Institute

SCALE: 1:100
SHEET: 2 OF 3

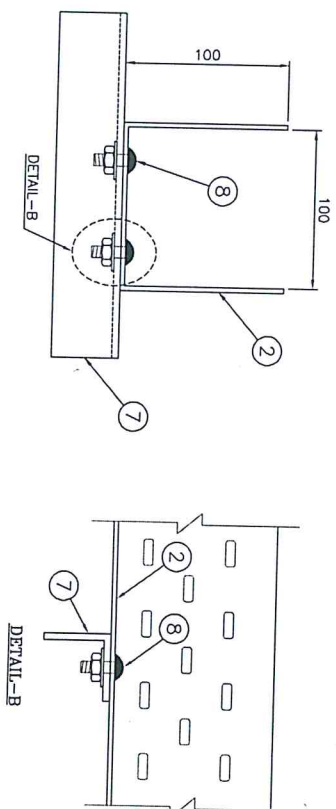
BILL OF MATERIAL

ITEM No.	QTY.	UNITS	DESCRIPTION	MATERIALS	SUPPLIED BY
1	AR	MT	CABLE TRAY LADDER TYPE	HOG STEEL	TRAYS SUPPLIER
2	AR	MT	CABLE CHANNEL	HOG STEEL	TRAYS SUPPLIER
3	AR	MT	UNISTRUT 40x40mm, 2mm THICKNESS	HOG STEEL	TRAYS SUPPLIER
4	2	EA	HOLD DOWN CLAMP	HOG STEEL	TRAYS SUPPLIER
5	2	EA	HEX HEAD BOLT M10X40	STAINLESS STEEL	TRAYS SUPPLIER
6	2	EA	SPRING NUT 6mm THICKNESS	ELECTRO PLATED GALVANIZED STEEL	TRAYS SUPPLIER
7	AR	MT	L - ANGLE	HOG STEEL	CONSTRUCTION CONTRACTOR
8	2	SET	PAN HEAD BOLT M6X30 C/W FLAT WASHER, LOCK WASHER AND HEX NUT	STAINLESS STEEL	TRAYS SUPPLIER
9	AR	MT	VENTILATED COVER 1.5mm THICKNESS	HOG STEEL	TRAYS SUPPLIER
10	1	EA	COVER CLAMP OF TWO PIECES	HOG STEEL	TRAYS SUPPLIER
11	2	SET	PAN HEAD BOLT M6X20 C/W FLAT WASHER AND HEX NUT	STAINLESS STEEL	TRAYS SUPPLIER

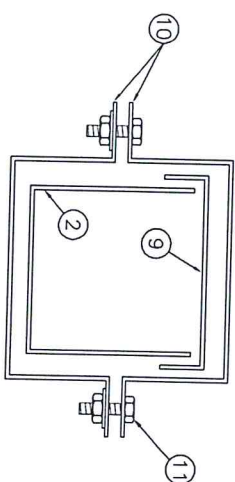
NOTES:
1. ALL DIMENSIONS ARE IN mm.
2. ALL FIXATION ACCESSORIES ARE STAINLESS STEEL 316.



CABLE TRAY (LADDER TYPE) FIXATION



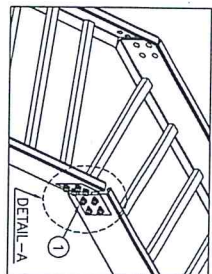
CABLE TRAY (CHANNEL TYPE) FIXATION



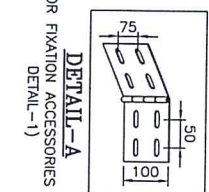
CABLE CHANNEL COVER INSTALLATION

<p>EGPC THE EGYPTIAN GENERAL PETROLEUM CO. EGPC FOR : THE EGYPTIAN GENERAL PETROLEUM CORPORATION (EGPC) AT : EGYPT</p>		<p>الهيئة العامة للبترول EGPC لجنة البنية التحتية البترولية مصر</p>	
<p>EGPC CRUDE OIL TANK FARM ELECTRICAL INSTALLATION DETAILS POWER SYSTEM CABLE TRAY/CHANNEL FIXATION</p>		<p>الهيئة العامة للبترول EGPC لجنة البنية التحتية البترولية مصر</p>	
SCALE:	DOCUMENT NUMBER:	SHEET:	REVISION:
NONE	01251-100-000-EID-001	05/12	0

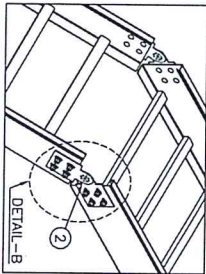
BILL OF MATERIAL



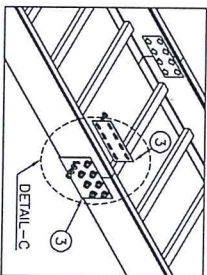
DETAIL-A
(FOR FIXATION ACCESSORIES SEE
DETAIL-1)



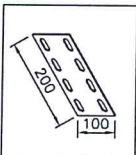
DETAIL-B
(FOR FIXATION ACCESSORIES SEE
DETAIL-1)



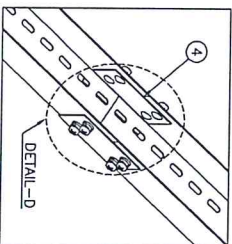
VERTICAL ADJUSTABLE SPLICE PLATE



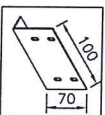
DETAIL-C
(FOR FIXATION ACCESSORIES SEE
DETAIL-1)



SPLICE PLATE FOR CABLE LADDER



DETAIL-D
(FOR FIXATION ACCESSORIES SEE
DETAIL-2)



SPLICE PLATE FOR CABLE CHANNEL

ITEM No.	QTY.	UNITS	DESCRIPTION	MATERIALS	SUPPLIED BY
1	1	PAIR	HORIZONTAL ADJUSTABLE SPLICE PLATE C/W STAINLESS STEEL FIXATION ACCESSORIES (16 SETS AS SHOWN IN DETAIL-1)	HOG STEEL	TRAYS SUPPLIER
2	1	PAIR	VERTICAL ADJUSTABLE SPLICE PLATE C/W STAINLESS STEEL FIXATION ACCESSORIES (16 SETS AS SHOWN IN DETAIL-1)	HOG STEEL	TRAYS SUPPLIER
3	1	PAIR	CABLE LADDER SPLICE PLATES (EXTERNAL & INTERNAL) C/W STAINLESS STEEL FIXATION ACCESSORIES (16 SETS AS SHOWN IN DETAIL-1)	HOG STEEL	TRAYS SUPPLIER
4	1	PAIR	CABLE CHANNEL SPLICE PLATES (EXTERNAL & INTERNAL) C/W STAINLESS STEEL FIXATION ACCESSORIES (16 SETS AS SHOWN IN DETAIL-2)	HOG STEEL	TRAYS SUPPLIER

- NOTES:
1. ALL DIMENSIONS ARE IN mm.
 2. ALL FIXATION ACCESSORIES ARE STAINLESS STEEL 316.
 3. EXPANSION SPLICE PLATES SHALL BE USED AT MAXIMUM DISTANCE 42METERS (AS PER NEMA-VE2).
 4. AS A GENERAL PRACTICE, AVOID PLACING SPLICE PLATES OVER SUPPORTS OR AT MID-SPAN OF CABLE TRAY.

PAN HEAD BOLT M8x20	
FLAT WASHER M8	
SPRING WASHER M8	
HEX NUT M8	

DETAIL-1
FIXATION ACCESSORIES

PAN HEAD BOLT M6x20	
FLAT WASHER M6	
SPRING WASHER M6	
HEX NUT M6	

DETAIL-2
FIXATION ACCESSORIES

EGPC
THE EGYPTIAN GENERAL PETROLEUM CO.
EGPC
المشركة العامة للبترول
للمشركة العامة للبترول

FOR : THE EGYPTIAN GENERAL PETROLEUM CORPORATION (EGPC)
AT : EGYPT
الموقع : مصر

EGPC CRUDE OIL TANK FARM
ELECTRICAL INSTALLATION DETAILS
CABLE TRAYS SPLICING
المشركة العامة للبترول والبتروكيماويات

Engineering for the Petroleum and Process Industries
Enppi
المشركة العامة للبترول والبتروكيماويات

SCALE : NONE
DOCUMENT NUMBER : 01251-100-000-EID-001
SHEET : 06/12
REVISION : 0



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

12.03- Motor Datasheets



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

12.03- Motor Datasheets



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

12.04- Electrical Cables Schedule



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

12.05- Electrical Cables Laying Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

12.06- Electrical Cables Testing Certificates

**Enppi**EGPC CRUDE OIL TANK FARM
AGROOD AREA (MODULE 1 & 2)

Owner : Egyptian General Petroleum Corporation (EGPC)

Project No: 01251-100-030
:01251-100-031

Contractor CONSORTIUM (ENPPI / PETROJET)

Document No: ITR-QC-0001
Revision No. : 00**REQUEST FOR INSPECTION**

ACTIVITY : LIGHTING CABLE TRAY INSTALLATION

NOTIFICATION NO. : PTJ-ELE-RFI-155 DISCIPLINE : ELECTRICAL

DATE : 3/23/2021

NO.	DESCRIPTION	LOCATION	DATE / TIME	INSPECTION			REMARKS
				PETROJET	ENPPI	PMC	
	LIGHTING CABLE TRAY INSTALLATION AT SWITCHGEAR ROOM	SUBSTATION BUILDING MODULE 1	23-Mar-21				

NOTE:

Inspection result : A - Approved B - Reject C - Approved with Comment

- earth for cable tray to be install.
- new marked up to be attached
- tray to be completed on MV section

	PETROJET	ENPPI	PMC
NAME :		Review	
SIGNATURE			
DATE	23-3-2021		23-3-2021

ITR-QC-0001

**Enppi****EGPC CRUDE OIL TANK FARM
AGROOD AREA (MODULE 1 & 2)**

INSPECTION AND TEST REPORT FOR

SUPPORTS&CABLE TRAYS INSTALLATION

INSPECTION REPORT NUMBER

PTJ-ELE-RFI-15

INSPECTION DATE & TIME

3/23/2021

ITR NUMBER

ITR-EL-0001

DISPLINE

ELECTRICAL

SHEET NO

1 OF 1

JOB DESCRIPTION

SUPPORTS & CABLE TRAYS INSTALLATION IN BUILDING

AREA DESCRIPTION

AGROOD AREA MODULE 01

NO.	INSPECTION	RESULT		
		ACCEPT	REJECT	N/A.
1	No physical damage found.	✓		
2	Support type / size as per IFC drawings.	✓		
3	Support location / alignment as per IFC drawings.	✓		
4	Bolts / fixings properly tightened.	✓		
5	Welding correct (as required) and touch up paint applied.			✓
6	Tray size as per IFC drawings.	✓		
7	Tray location / routing as per IFC drawings.	✓		
8	Tray accessories / fixings are correctly installed (connecting plates, fixing clamps etc.) as per IFC drawings.	✓		
9	All cut / sharp edges are cleaned and Fixed with end Caps to avoid sharp edges, prior to approved touch up paint / coating being applied.	✓		
10	Earthing and bonding correctly installed.	✓	✗	
11	Tray is clean and free from debris/dust prior to cover installation.	✓		
12	Tray covers correctly installed (as required).			✓

Remarks:

REFERENCE DOCUMENTS:

	PETROJET	ENPPI	PMC
NAME :			
SIGNATURE			
DATE			23-3-2021

ITR-EL-0001

Owner: Egyptian General Petroleum Corporation (EGPC)

Project No: 01251-100-030
:01251-100-031

Contractor	CONSORTIUM (ENPPI / PETROJET)
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Document No: ITR-QC-0001
Revision No. : 00

REQUEST FOR INSPECTION

ACTIVITY : SUPPORTS & TRAYS INSTALLATION

NOTIFICATION NO. : PTJ-ELE-RFI-154 DISCIPLINE: E&I

DATE: _____ : _____ 3/23/2021

[illegible]

NOTE:

Inspection result : A - Approved B - Reject C - Approved with Comment

- earth for cable tray to be install.
- final touch up to be done

	PETROJET	ENPPI	PMC
NAME :		<i>Ram</i>	
SIGNATURE	<i>[Signature]</i>	<i>[Signature]</i>	<i>M. Omar</i>
DATE			<i>23-3-2021</i>

ITR-QC-0001

**Enppi****EGPC CRUDE OIL TANK FARM
AGROOD AREA (MODULE 1 & 2)**

INSPECTION AND TEST REPORT FOR

SUPPORTS&CABLE TRAYS INSTALLATION

INSPECTION REPORT NUMBER

PTJ-ELE-RFI-154

INSPECTION DATE & TIME

3/23/2021

ITR NUMBER

ITR-EL-0001

DISCIPLINE

ELECTRICAL

SHEET NO

1 OF 1

JOB DESCRIPTION

SUPPORTS & CABLE TRAYS INSTALLATION IN BUILDING

AREA DESCRIPTION

AGROOD AREA MODULE 01

NO.	INSPECTION	RESULT		
		ACCEPT	REJECT	N/A.
1	No physical damage found.	✓		
2	Support type / size as per IFC drawings.	✓		
3	Support location / alignment as per IFC drawings.	✓		
4	Bolts / fixings properly tightened.	✓		
5	Welding correct (as required) and touch up paint applied.			✓
6	Tray size as per IFC drawings.	✓		
7	Tray location / routing as per IFC drawings.	✓		
8	Tray accessories / fixings are correctly installed (connecting plates, fixing clamps etc.) as per IFC drawings.	✓		
9	All cut / sharp edges are cleaned and Fixed with end Caps to avoid sharp edges, prior to approved touch up paint / coating being applied.	✓		
10	Earthing and bonding correctly installed.	✓		
11	Tray is clean and free from debris/dust prior to cover installation.	✓		
12	Tray covers correctly installed (as required).			✓

Remarks:

REFERENCE DOCUMENTS:

	PETROJET	ENPPI	PMC
NAME :			
SIGNATURE			
DATE			23-3-2021

ITR-EL-0001



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

12.07- Electrical Cables Termination Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

12.08- FAT Reports & Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

12.09- SAT Reports & Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

12.10- Electrical Pre-Commissioning Check Lists



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

12.11- Electrical Supplier Check Lists & Reports



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

13- Electrical Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

13.01- Electrical -Commissioning Check Lists



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

13.02- Electrical Supplier Check Lists & Reports



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

14- Red Marked-up Drawings



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

14.01- P&ID



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

14.02- Instrumentation Drawings



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-EL-011
System Description	Substation Building Electrical cable trays system

14.03- Electrical Drawings